



SelectSurveyASP Advanced Database Model

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Overview

SelectSurveyASP uses a clean, well-designed, relational database model. The same data model is used for Microsoft Access, SQL Server, and MySQL databases.

All tables in the application have a prefix of SUR_. Having this prefix makes it very easy to install the tables in an existing database and to distinguish them from all other tables.

For all tables that have a single column defined as the primary key, the naming convention used is the name of the table, with the SUR_ prefix, plus a suffix of _ID. Thus, the SUR_SURVEY table has a primary key of SURVEY_ID, and the SUR_EMAIL_ADDRESS table has a primary key of EMAIL_ADDRESS_ID.

Foreign keys use the same naming convention as primary keys. Therefore, in all tables, foreign keys can easily be determined by their _ID suffix, and the table each foreign key refers to can be determined by the name of the key, which corresponds to the name of the table.

The rest of this document contains a description of each table, a snapshot of all columns in the table, and a detailed description of each column in each table.

SUR_EMAIL_ADDRESS

This table contains each individual email address contain within email lists, which are located in the SUR_EMAIL_LIST table.

SUR_EMAIL_ADDRESS				
	Column Name	Data Type	Length	Allow Nulls
?	EMAIL_ADDRESS_ID	int	4	
	EMAIL_LIST_ID	int	4	
	EMAIL_ADDRESS	varchar	75	
	FIRST_NAME	varchar	75	✓
	LAST_NAME	varchar	75	✓
	CUSTOM_DATA_1	varchar	75	✓
	CUSTOM_DATA_2	varchar	75	✓
	CUSTOM_DATA_3	varchar	75	✓
	ACTIVE_YN	varchar	1	
	DELETED_YN	varchar	1	

EMAIL_ADDRESS_ID – Numeric primary key for this table.

EMAIL_LIST_ID – Foreign key to the SUR_EMAIL_LIST table.

EMAIL_ADDRESS – The actual email address.

FIRST_NAME – The first name of the person for this email address.

LAST_NAME – The last name of the person for this email address.

CUSTOM_DATA_1 – A custom data field for any extra data.

CUSTOM_DATA_2 – A custom data field for any extra data.

CUSTOM_DATA_3 – A custom data field for any extra data.

ACTIVE_YN – A flag indicating whether or not this email address is active.

DELETED_YN – A flag indicating whether or not this email address has been deleted. Note that deleted email addresses are marked for deletion rather than actually deleted so that the email history functionality works correctly.

SUR_EMAIL_LIST

This table contains information about each email list.

SUR_EMAIL_LIST				
	Column Name	Data Type	Length	Allow Nulls
🔑	EMAIL_LIST_ID	int	4	
	USER_ID	int	4	
	LIST_NAME	varchar	100	
	LIST_DESCRIPTION	text	16	✓
	CREATED_DATE	datetime	8	
	DEFAULT_YN	varchar	1	
	EMAIL_ADDRESS_COUNT	int	4	

EMAIL_LIST_ID – Numeric primary key for this table.

USER_ID – Foreign key to the SUR_USER table.

LIST_NAME – The name of the email list.

LIST_DESCRIPTION – A description of the email list.

CREATED_DATE – The date the email list was created.

DEFAULT_YN – A flag indicating whether or not this is the user's default email list.

EMAIL_ADDRESS_COUNT – The number of email addresses in this list.

SUR_EMAIL_MESSAGE

This table contains messages sent to email lists.

SUR_EMAIL_MESSAGE				
	Column Name	Data Type	Length	Allow Nulls
🔑	EMAIL_MESSAGE_ID	int	4	
	EMAIL_LIST_ID	int	4	
	EMAIL_SUBJECT	varchar	100	
	EMAIL_BODY	text	16	
	EMAIL_CC_ADDRESSES	text	16	✓
	EMAIL_BCC_ADDRESSES	text	16	✓
	EMAIL_FROM_ADDRESS	varchar	50	
	HTML_YN	varchar	1	
	SURVEY_ID	int	4	✓
	SENT_DATE	datetime	8	
	EMAIL_SENT_COUNT	int	4	
	EMAIL_RESPONSE_COUNT	int	4	

EMAIL_MESSAGE_ID – Numeric primary key for this table.

EMAIL_LIST_ID – Foreign key to the SUR_EMAIL_LIST table.

EMAIL_SUBJECT – The subject of the email.

EMAIL_BODY – The body of the email.

EMAIL_CC_ADDRESSES – The email addresses on the email's CC list.

EMAIL_BCC_ADDRESSES – The email addresses on the email's BCC list.

EMAIL_FROM_ADDRESS – The email address the email was sent from.

HTML_YN – A flag indicating whether or not the email was HTML

SURVEY_ID – Foreign key to the SUR_SURVEY table.

SENT_DATE – The date the message was sent.

EMAIL_SENT_COUNT – The number of emails sent for this message.

EMAIL_RESPONSE_COUNT – The number of responses to this message via the emails sent out.

SUR_EMAIL_SENT_HISTORY

This table contains a list of all individual emails sent out to email lists.

SUR_EMAIL_SENT_HISTORY					
	Column Name	Data Type	Length	Allow Nulls	
?	EMAIL_SENT_HISTORY_ID	int	4		
	EMAIL_ADDRESS_ID	int	4	✓	
	EMAIL_MESSAGE_ID	int	4	✓	
	URL_UNIQUE_ID	varchar	35	✓	
	RESPONSE_DATE	datetime	8	✓	
	RESPONSE_ID	int	4	✓	
	CURRENT_STATUS	varchar	15		

EMAIL_SENT_HISTORY_ID – Numeric primary key for this table.

EMAIL_ADDRESS_ID – Foreign key to the SUR_EMAIL_ADDRESS table.

EMAIL_MESSAGE_ID – Foreign key to the SUR_EMAIL_MESSAGE table.

URL_UNIQUE_ID – The encrypted ID for accessing this survey via the email.

RESPONSE_DATE – The date for a response to this email invitation.

RESPONSE_ID – Foreign key to the SUR_RESPONSE table.

CURRENT_STATUS – The current status of the email invitation.

SUR_HIDDEN_FIELD

This table contains hidden fields that are optionally associated with surveys.

SUR_HIDDEN_FIELD					
	Column Name	Data Type	Length	Allow Nulls	
?	HIDDEN_FIELD_ID	int	4		
	SURVEY_ID	int	4		
	ORDER_NUMBER	int	4		
	HIDDEN_FIELD_TYPE	varchar	15		
	HIDDEN_FIELD_KEY	varchar	75		
	HIDDEN_FIELD_DISPLAY_NAME	varchar	75		

HIDDEN_FIELD_ID – Numeric primary key for this table.

SURVEY_ID – Foreign key to the SUR_SURVEY table.

ORDER_NUMBER – The numeric order of this hidden field for displaying in the desired order.

HIDDEN_FIELD_TYPE – The hidden field type (querystring, session, or cookie)

HIDDEN_FIELD_KEY – The key for the hidden field.

HIDDEN_FIELD_DISPLAY_NAME – The display name for the hidden field.

SUR_ID_GENERATION

This table is used as a sequencer to generate numeric primary keys for other tables. Note that a few tables in the application use IDENTITY columns.

SUR_ID_GENERATION				
	Column Name	Data Type	Length	Allow Nulls
	NEXT_AVAILABLE_ID	int	4	
?	NAME	varchar	40	

NEXT_AVAILABLE_ID – The next available numeric ID for this sequence.

NAME – The name of the sequence for generating primary keys.

SUR_IP_ADDRESS

This table contains IP addresses that are optionally used for IP address validation for surveys.

SUR_IP_ADDRESS				
	Column Name	Data Type	Length	Allow Nulls
?	IP_ADDRESS_ID	int	4	
	SURVEY_ID	int	4	
	IP_ADDRESS_FIRST	varchar	15	
	IP_ADDRESS_SECOND	varchar	15	

IP_ADDRESS_ID – Numeric primary key for this table.

SURVEY_ID – Foreign key to the SUR_SURVEY table.

IP_ADDRESS_FIRST – The beginning IP address in the IP range.

IP_ADDRESS_SECOND – The ending IP address in the IP range.

SUR_ITEM

This table contains data about each item (question).

SUR_ITEM				
	Column Name	Data Type	Length	Allow Nulls
?	ITEM_ID	int	4	
	ITEM_TYPE_ID	int	4	
	ITEM_TEXT	text	16	✓
	ITEM_SUB_TEXT	text	16	✓
	ITEM_ALIAS	text	16	✓
	REQUIRED_YN	char	1	
	RANDOM_ANSWER_ORDER_YN	char	1	
	EMAIL_ADDRESS_YN	char	1	
	OTHER_YN	char	1	✓
	OTHER_TEXT	varchar	100	✓
	OTHER_DISPLAY_TYPE	varchar	10	✓
	MAXIMUM_LENGTH	int	4	✓
	MINIMUM_VALUE	varchar	10	✓
	MAXIMUM_VALUE	varchar	10	✓
	ANSWER_TOTAL	int	4	✓
	MINIMUM_NUMBER_RESPONSES	int	4	✓
	MAXIMUM_NUMBER_RESPONSES	int	4	✓
	ROW_TEXT_WIDTH	int	4	✓
	DISPLAY_FORMAT	varchar	30	✓
	DEFAULT_VALUE	text	16	✓
	IMAGE_PATH	varchar	150	✓
	IMAGE_WIDTH	varchar	4	✓
	IMAGE_HEIGHT	varchar	4	✓
	IMAGE_ALIGNMENT	varchar	10	✓
	DATABASE_SQL	text	16	✓
	DATABASE_DSN	varchar	255	✓
	SUBITEM_COUNT	int	4	✓

ITEM_ID – Numeric primary key for this table.

ITEM_TYPE_ID – Foreign key to the SUR_ITEM_TYPE table.

ITEM_TEXT – The actual text of the question/item.

ITEM_SUB_TEXT – The sub-text of the question/item, which is the text that appears in smaller font just below the text.

ITEM_ALIAS – The alias for the question, which is used for reporting and data export.

REQUIRED_YN – A flag indicating whether or not this question is required.

RANDOM_ANSWER_ORDER_YN – A flag indicating whether or not the answers to this question should be displayed in random order.

EMAIL_ADDRESS_YN – A flag indicating whether or not this question is an email address question.

OTHER_YN – A flag indicating whether or not this question has an “other” response. This applies to option buttons and checkboxes.

OTHER_TEXT – If the question has an “other” option, this is the text that prompts for the “other” response.

OTHER_DISPLAY_TYPE – For “other” responses, whether the input control should be displayed as a textbox or a textarea.

MAXIMUM_LENGTH – The maximum length of the text that can be input for this question.

MINIMUM_VALUE – The minimum value for rating scales questions.

MAXIMUM_VALUE – The maximum value for rating scales questions.

ANSWER_TOTAL – The total number of answers for questions that have predefined answers, such as checkboxes, radio buttons, etc.

MINIMUM_NUMBER_RESPONSES – The minimum number of responses the user must select for this question.

MAXIMUM_NUMBER_RESPONSES – The maximum number of responses the user must select for this question.

ROW_TEXT_WIDTH – The width of the row text column for matrix, constant sum, ranking, and one or more line questions.

DISPLAY_FORMAT – The display format for the question for dropdown/option button for Yes/No and True/False questions.

DEFAULT_VALUE – The default value that should be displayed for this questions.

IMAGE_PATH – For images, the path to the image on the server.

IMAGE_WIDTH – For images, the width of the image.

IMAGE_HEIGHT – For images, the height of the image.

IMAGE_ALIGNMENT – For images, the alignment of the image (center, left, or right).

DATABASE_SQL – For database dropdown questions, the SQL that is used to select the values.

DATABASE_DSN – For database dropdown questions, the DSN information that is used to connect to the database.

SUBITEM_COUNT – If the question has subitems, the number of subitems that are associated with this question.

SUR_ITEM_ANSWER

This table contains answers for questions that have predefined answers, such as dropdown, checkbox, option buttons, etc.

SUR_ITEM_ANSWER					
	Column Name	Data Type	Length	Allow Nulls	
🔑	ANSWER_ID	int	4		
	ITEM_ID	int	4		
	ANSWER_TEXT	varchar	255	✓	
	ANSWER_VALUE	int	4	✓	
	ORDER_NUMBER	int	4		
	RANDOM_ORDER_NUMBER	int	4	✓	
	DEFAULT_YN	char	1		

ANSWER_ID – Numeric primary key for this table.

ITEM_ID – Foreign key to the SUR_ITEM table.

ANSWER_TEXT – The actual text of the answer.

ANSWER_VALUE – For answers with point values, the number of points or numeric value associated with this answer.

ORDER_NUMBER – The numeric sequence number of this specific within this group of answers.

RANDOM_ORDER_NUMBER – Column used for displaying the answers in random order.

DEFAULT_YN – A flag indicating whether or not this answer is selected by default.

SUR_ITEM_ANSWER_GROUP

This table contains a list of predefined groups of values that can be selected from on the item page for creating sets of predefined answers.

SUR_ITEM_ANSWER_GROUP					
	Column Name	Data Type	Length	Allow Nulls	
?	ITEM_ANSWER_GROUP_ID	int	4		
	ITEM_ANSWER_GROUP_NAME	varchar	50		
	ANSWER_1	varchar	50	✓	
	ANSWER_2	varchar	50	✓	
	ANSWER_3	varchar	50	✓	
	ANSWER_4	varchar	50	✓	
	ANSWER_5	varchar	50	✓	

ITEM_ANSWER_GROUP_ID – Numeric primary key for this table.

ITEM_ANSWER_GROUP_NAME – The name of the answer group, used for display purposes on the item page.

ANSWER_1 – The second answer within an answer group.

ANSWER_2 – The second answer within an answer group.

ANSWER_3 – The second answer within an answer group.

ANSWER_4 – The second answer within an answer group.

ANSWER_5 – The second answer within an answer group.

SUR_ITEM_TYPE

This table contains a list of all item types used in the application.

SUR_ITEM_TYPE					
	Column Name	Data Type	Length	Allow Nulls	
?	ITEM_TYPE_ID	int	4		
	ITEM_TYPE_NAME	varchar	50		
	QUESTION_YN	char	1		

ITEM_TYPE_ID – Numeric primary key for this table.

ITEM_TYPE_NAME – The name of the item type.

QUESTION_YN – A flag indicating whether or not this item is a question, where a question is defined as an item that can receive a response.

SUR_LIBRARY

This table contains information about all libraries.

SUR_LIBRARY				
	Column Name	Data Type	Length	Allow Nulls
🔑	LIBRARY_ID	int	4	
	ACTIVE_YN	char	1	
	LIBRARY_NAME	varchar	50	
	USER_ID	int	4	
	CREATED_DATE	datetime	8	
	PUBLIC_YN	char	1	

LIBRARY_ID – Numeric primary key for this table.

ACTIVE_YN – A flag indicating whether or not this library is active.

LIBRARY_NAME – The name of the library.

USER_ID – Foreign key to the SUR_USER table, representing the owner of the library.

CREATED_DATE – The date the library was created.

PUBLIC_YN – A flag indicating whether or not this library can be used by users other than the owner for inserting questions into a survey.

SUR_LIBRARY_TO_ITEM_MAPPING

This table maps libraries to the individual items contained within each library.

SUR_LIBRARY_TO_ITEM_MAPPING				
	Column Name	Data Type	Length	Allow Nulls
🔑	LIBRARY_ID	int	4	
🔑	ITEM_ID	int	4	
	ORDER_NUMBER	int	4	

LIBRARY_ID – Foreign key to the SUR_LIBRARY table, and part of the compound primary key for this table.

ITEM_ID – Foreign key to the SUR_ITEM table, and part of the compound primary key for this table.

ORDER_NUMBER – The numeric sequence number of the item within the library.

SUR_OPERATOR

This table contains a list of all operators used for page conditions.

SUR_OPERATOR				
	Column Name	Data Type	Length	Allow Nulls
🔑	OPERATOR_ID	int	4	
	OPERATOR_TEXT_SHORT	varchar	20	
	OPERATOR_TEXT_LONG	varchar	75	
	ORDER_NUMBER	int	4	

OPERATOR_ID – Numeric primary key for this table.

OPERATOR_TEXT_SHORT – The short textual name of the operator.

OPERATOR_TEXT_LONG – The long textual name of the operator.

ORDER_NUMBER – The numeric sequence number of each operator within the list of operators.

SUR_PAGE

This table contains optional additional information for each page within a survey.

SUR_PAGE					
	Column Name	Data Type	Length	Allow Nulls	
🔑	SURVEY_ID	int	4		
🔑	PAGE_NUMBER	int	4		
	PAGE_TITLE	varchar	50	✓	
	PAGE_INTRODUCTION	text	16	✓	

SURVEY_ID – Foreign key to the SUR_SURVEY table, and part of the compound primary key for this table.

PAGE_NUMBER – The page number within the survey for this entry, and part of the compound primary key for this table.

PAGE_TITLE – The title of the particular page.

PAGE_INTRODUCTION – The introductory text for the particular page.

SUR_PAGE_CONDITION

This table contains page conditions that are optionally associated with each page in a survey.

SUR_PAGE_CONDITION					
	Column Name	Data Type	Length	Allow Nulls	
🔑	PAGE_CONDITION_ID	int	4		
	SURVEY_ID	int	4		
	PAGE_NUMBER	int	4		
	DEPENDENT_ITEM_ID	int	4		
	GROUP_NUMBER	int	4		
	OPERATOR_ID	int	4		
	ANSWER_ID	int	4	✓	
	ANSWER_TEXT	varchar	255	✓	

PAGE_CONDITION_ID – Numeric primary key for this table.

SURVEY_ID – Foreign key to the SUR_SURVEY table, representing the survey that this page condition is associated with.

PAGE_NUMBER – The page number within the survey that this page condition is associated with.

DEPENDENT_ITEM_ID – Foreign key to the SUR_ITEM table representing the item on which this page condition is dependent.

GROUP_NUMBER – The group number that this page condition belongs to. All items within a group are evaluated as OR logic.

OPERATOR_ID – Foreign key to the SUR_OPERATOR table.

ANSWER_ID – Foreign key to the SUR_ITEM_ANSWER table representing the answer that this page condition is using for a filter.

ANSWER_TEXT – The text that is being used for the answer when applying this page condition to this item.

SUR_REPORT_FILTER

This page contains report filters that are optionally used for filtering report data in the reporting section.

SUR_REPORT_FILTER				
	Column Name	Data Type	Length	Allow Nulls
🔑	REPORT_FILTER_ID	int	4	
	SURVEY_ID	int	4	
	USER_ID	int	4	
	FILTER_TYPE	varchar	50	
	FILTERED_ITEM_ID	int	4	✓
	USER_ATTRIBUTE_TYPE	varchar	15	✓
	START_DATE	datetime	8	✓
	END_DATE	datetime	8	✓
	OPERATOR_FIRST	varchar	50	✓
	OPERATOR_SECOND	varchar	50	✓
	SUBITEM_ID	int	4	✓
	ANSWER_ID	int	4	✓
	OTHER_YN	char	1	✓
	ANSWER_TEXT	varchar	255	✓
	ACTIVE_YN	char	1	
	ORDER_NUMBER	int	4	

REPORT_FILTER_ID – Numeric primary key for this table.

SURVEY_ID – Foreign key to the SUR_SURVEY table.

USER_ID – Foreign key to the SUR_USER table.

FILTER_TYPE – The type of filter (question, date, user attribute).

FILTERED_ITEM_ID – Foreign key to the SUR_ITEM table representing the item that is being filtered on.

USER_ATTRIBUTE_TYPE – For user attribute filters, the specific user attribute.

START_DATE – For date filters, the start date to filter on.

END_DATE – For date filters, the end date to filter on.

OPERATOR_FIRST – The first part of the operator used to construct the report filter.

OPERATOR_SECOND – The second part of the operator used to construct the report filter.

SUBITEM_ID – Foreign key to the SUR_SUBITEM table representing the subitem that is being filtered on.

ANSWER_ID – Foreign key to the SUR_ITEM_ANSWER table representing the answer that is being filtered on.

OTHER_YN – A flag indicating whether or not

ANSWER_TEXT – The text of the answer that is being filtered on.

ACTIVE_YN – A flag indicating whether or not this report filter is active.

ORDER_NUMBER – The numeric sequence number of this particular filter in the list of filters for the particular survey.

SUR_REPORT_SHARE

This table contains report shares, which are used for sharing data with others based on email addresses and granular permissions.

SUR_REPORT_SHARE				
	Column Name	Data Type	Length	Allow Nulls
🔑	REPORT_SHARE_ID	int	4	
	SURVEY_ID	int	4	
	CREATED_DATE	smalldatetime	4	
	REPORT_SHARE_URL_ID	varchar	18	
	EMAIL_ADDRESSES	text	16	
	LAST_SENT_DATE	datetime	8	✓
	EXPORT_DATA_YN	char	1	
	REPORT_FILTERING_YN	char	1	
	VIEWABLE_REPORTS	varchar	50	
	VIEW_OPEN_ENDED_YN	char	1	
	ACTIVE_YN	char	1	

REPORT_SHARE_ID – Numeric primary key for this table.

SURVEY_ID – Foreign key to the SUR_SURVEY table.

CREATED_DATE – The date the report share was created.

REPORT_SHARE_URL_ID – The unique encrypted ID that is used to represent this report share to a user.

EMAIL_ADDRESSES – The email address(es) that this report share is used by.

LAST_SENT_DATE – The date this report share was last sent to the email addresses.

EXPORT_DATA_YN – A flag indicating whether or not this report share has permission to export data.

REPORT_FILTERING_YN – A flag indicating whether or not this report share has permission to filter reports.

VIEWABLE_REPORTS – The type of reports that are viewable (overview only or both overview and individual).

VIEW_OPEN_ENDED_YN – A flag indicating whether or not this report share has permission to view open-ended question answers.

ACTIVE_YN – A flag indicating whether or not this report share is active.

SUR_RESPONSE

This table contains general information about each submitted response.

SUR_RESPONSE				
	Column Name	Data Type	Length	Allow Nulls
🔑	RESPONSE_ID	int	4	
	SURVEY_ID	int	4	
	ANONYMOUS_ID	int	4	✓
	EMAIL_ADDRESS_ID	int	4	✓
	USERNAME	varchar	20	
	RESPONSE_START_DATE	datetime	8	
	RESPONSE_END_DATE	datetime	8	✓
	IP_ADDRESS	varchar	15	
	COMPLETED_YN	char	1	

RESPONSE_ID – Numeric primary key for this table.

SURVEY_ID – Foreign key to the SUR_SURVEY table.

ANONYMOUS_ID – For anonymous responses, the randomly generated anonymous ID used for the respondent.

EMAIL_ADDRESS_ID – Foreign key to the SUR_EMAIL_ADDRESS table.

USERNAME – For logged in users, the username of the respondent.

RESPONSE_START_DATE – The date/time the response was started.

RESPONSE_END_DATE – The date/time the response was ended.

IP_ADDRESS – The IP address of the respondent.

COMPLETED_YN – A flag indicating whether or not the respondent completed the entire survey.

SUR_RESPONSE_ANSWER

This table contains each answer to each question submitted in response to a survey.

SUR_RESPONSE_ANSWER				
	Column Name	Data Type	Length	Allow Nulls
	RESPONSE_ID	int	4	
	ITEM_ID	int	4	
	SUBITEM_ID	int	4	✓
	ANSWER_ID	int	4	✓
	ANSWER_TEXT	text	16	✓
	OTHER_TEXT	text	16	✓

RESPONSE_ID – Numeric primary key for this table.

ITEM_ID – Foreign key to the SUR_ITEM table, representing the item that was answered.

SUBITEM_ID – Foreign key to the SUR_SUBITEM table, representing the subitem that was answered.

ANSWER_ID – Foreign key to the SUR_ITEM_ANSWER, representing the answer that was selected.

ANSWER_TEXT – The actual text of the answer for this particular question.

OTHER_TEXT – For “other” questions, the actual text of the answer for the “other” question.

SUR_RESPONSE_HIDDEN_FIELD

This table contains all submitted values for hidden fields.

SUR_RESPONSE_HIDDEN_FIELD				
	Column Name	Data Type	Length	Allow Nulls
🔑	HIDDEN_FIELD_ID	int	4	
🔑	RESPONSE_ID	int	4	
	ANSWER_TEXT	varchar	255	✓

HIDDEN_FIELD_ID – Numeric primary key for this table.

RESPONSE_ID – Foreign key to the SUR_RESPONSE table, representing the response to which this hidden field value is associated.

ANSWER_TEXT – The value contained within the hidden field.

SUR_ROLE

This table contains a list of all roles used within the application.

SUR_ROLE				
	Column Name	Data Type	Length	Allow Nulls
🔑	ROLE_ID	int	4	
	ROLE_NAME	varchar	25	
	ROLE_DESCRIPTION	text	16	✓

ROLE_ID – Numeric primary key for this table.

ROLE_NAME – The name of the role.

ROLE_DESCRIPTION – The description of the role.

SUR_SUBITEM

This table contains all subitems used for questions. Subitems are the row headings for questions such as matrix, constant sum, ranking, etc.

SUR_SUBITEM				
	Column Name	Data Type	Length	Allow Nulls
🔑	SUBITEM_ID	int	4	
	ITEM_ID	int	4	
	SUBITEM_TEXT	text	16	
	ORDER_NUMBER	int	4	
	RANDOM_ORDER_NUMBER	int	4	✓

SUBITEM_ID – Numeric primary key for this table.

ITEM_ID – Foreign key to the SUR_ITEM, representing the item to which the subitem is associated.

SUBITEM_TEXT – The actual text of the subitem.

ORDER_NUMBER – The numeric sequence for the order in which this subitem will be displayed.

RANDOM_ORDER_NUMBER – A field used for optionally displaying the subitems in random order.

SUR_SURVEY

This table contains all data that defines each survey.

SUR_SURVEY					
	Column Name	Data Type	Length	Allow Nulls	
?	SURVEY_ID	int	4		
	TITLE	varchar	50		
	TEMPLATE_ID	int	4		
	CLOSED_DATE	datetime	8	✓	
	CREATED_DATE	datetime	8		
	LAUNCHED_DATE	datetime	8	✓	
	START_DATE	datetime	8	✓	
	END_DATE	datetime	8	✓	
	MAXIMUM_RESPONSES_FOR_SURVEY	int	4	✓	
	RESPONSE_COUNT	int	4		
	COMPLETION_ACTION	varchar	50		
	SURVEY_COMPLETE_MESSAGE	text	16	✓	
	SURVEY_COMPLETE_REDIRECT_URL	varchar	255	✓	
	SURVEY_COMPLETE_DISPLAY_CLOSE	char	1		
	SURVEY_COMPLETE_DISPLAY_CONTINUE	char	1		
	SURVEY_COMPLETE_DISPLAY_REPORTS	char	1		
	RESPONSE_EMAIL_ADDRESSES	text	16	✓	
	SURVEY_LANGUAGE	varchar	10		
	STATUS	varchar	10		
	REPORT_SHARING_ENABLED_YN	char	1		
	REPORT_SECURITY	varchar	25		
	HIGHLIGHT_RESPONSES_YN	char	1		
	OWNERS	text	16	✓	
	ADMIN_EMAIL_ADDRESS	varchar	75	✓	
	MAXIMUM_RESPONSES_PER_USER	int	4	✓	
	MODIFY_SURVEY_WITHIN_DAYS	int	4	✓	
	RESPONDENT_ACCESS_LEVEL	int	4		
	PAGE_NUMBERING_FORMAT	varchar	40		
	QUESTION_NUMBERING_FORMAT	varchar	40		
	BACK_BUTTON_DISPLAY	varchar	20		
	CANCEL_BUTTON_DISPLAY	varchar	50		
	CANCEL_BUTTON_REDIRECT_URL	varchar	255	✓	

SURVEY_ID – Numeric primary key for this table.

TITLE – The title of the survey.

TEMPLATE_ID – Foreign key to the SUR_TEMPLATE, representing the template this is associated with this survey.

CLOSED_DATE – The date the survey was closed.

CREATED_DATE – The date the survey was created.

LAUNCHED_DATE – The date the survey was launched.

START_DATE – The scheduled start date of the survey.

END_DATE – The scheduled end date of the survey.

MAXIMUM_RESPONSES_FOR_SURVEY – The maximum number of responses that can be received for this survey.

RESPONSE_COUNT – The number of responses received for this survey.

COMPLETION_ACTION – Action to take upon completion of the survey.

SURVEY_COMPLETE_MESSAGE – If the completion action includes displaying a message, this is the text of the message to display.

SURVEY_COMPLETE_REDIRECT_URL – If the completion action includes a new URL, this is the URL to redirect to.

SURVEY_COMPLETE_DISPLAY_CLOSE – If the completion action includes displaying a message, this column indicates whether or not to display a Close button.

SURVEY_COMPLETE_DISPLAY_CONTINUE – If the completion action includes displaying a message, this column indicates whether or not to display a Continue button.

SURVEY_COMPLETE_DISPLAY_REPORTS – If the completion action includes displaying a message, this column indicates whether or not to display a View Reports button.

RESPONSE_EMAIL_ADDRESSES – Optional field for the email addresses that responses should be sent to.

SURVEY_LANGUAGE – The language that the survey is created in.

STATUS – The current status of the survey (Open, Closed, Design)

REPORT_SHARING_ENABLED_YN – A flag indicating whether or not reporting sharing has been enabled for this survey.

REPORT_SECURITY – If report sharing has been enabled, this column contains the security level of the report sharing.

HIGHLIGHT_RESPONSES_YN – A flag indicating whether or not the current user's responses should have a star next to them when the current user views the overview report.

OWNERS – The owner or owners of the survey (usernames from the SUR_USER table), each separated by a semi-colon.

ADMIN_EMAIL_ADDRESS – The email address(es) of the administrator of the survey.

MAXIMUM_RESPONSES_PER_USER – For multi-response surveys, the maximum number of responses from a single user.

MODIFY_SURVEY_WITHIN_DAYS – For updateable surveys, the number of days during which an update is allowed.

RESPONDENT_ACCESS_LEVEL – The security level of the survey.

PAGE_NUMBERING_FORMAT – The page numbering format (numbers, do page numbers, graphic, etc.)

QUESTION_NUMBERING_FORMAT – The question numbering format (no question numbers, per page, for entire survey).

BACK_BUTTON_DISPLAY – Indicates whether or not to display the Back button for this survey.

CANCEL_BUTTON_DISPLAY – Indicates whether or not to display the Cancel button for this survey.

CANCEL_BUTTON_REDIRECT_URL – If the Cancel button is displayed, this column contains the URL to redirect to when the user clicks the Cancel button.

SUR_SURVEY_TO_ITEM_MAPPING

This table maps surveys to all of the items contained within each survey.

SUR_SURVEY_TO_ITEM_MAPPING				
	Column Name	Data Type	Length	Allow Nulls
🔑	SURVEY_ID	int	4	
🔑	ITEM_ID	int	4	
	ORDER_NUMBER	int	4	
	PAGE_NUMBER	int	4	✓

SURVEY_ID – Foreign key to the SUR_SURVEY table, and part of the compound primary key for this table.

ITEM_ID – Foreign key to the SUR_ITEM table, and part of the compound primary key for this table.

ORDER_NUMBER – The numeric sequence number of the item's order within the specified survey.

PAGE_NUMBER – The page number that this item belongs on within the specified survey.

SUR_TEMPLATE

This table contains all template definitions.

SUR_TEMPLATE					
	Column Name	Data Type	Length	Allow Nulls	
?	TEMPLATE_ID	int	4		
	ACTIVE_YN	char	1		
	TEMPLATE_NAME	varchar	50		
	USER_ID	int	4		
	ALLOW_USE_YN	char	1		
	LOGO_PATH	varchar	255	✓	
	LOGO_ALIGNMENT	varchar	10	✓	
	SURVEY_ALIGNMENT	varchar	10	✓	
	DISPLAY_BORDER_YN	char	1		
	BORDER_COLOR	varchar	7	✓	
	BORDER_WIDTH	int	4	✓	
	SURVEY_BACKGROUND_COLOR	varchar	7		
	PAGE_BACKGROUND_COLOR	varchar	7		
	MATRIX_HEADER_COLOR	varchar	7	✓	
	MATRIX_FIRST_COLOR	varchar	7	✓	
	MATRIX_SECOND_COLOR	varchar	7	✓	
	PROGRESS_FIRST_COLOR	varchar	7	✓	
	PROGRESS_SECOND_COLOR	varchar	7	✓	
	SURVEY_NAME_FONT_COLOR	varchar	7	✓	
	SURVEY_NAME_FONT_SIZE	int	4	✓	
	SURVEY_NAME_FONT_WEIGHT	varchar	10		
	SURVEY_NAME_FONT_FAMILY	varchar	50		
	PAGE_TITLE_FONT_COLOR	varchar	7	✓	
	PAGE_TITLE_FONT_SIZE	int	4	✓	
	PAGE_TITLE_FONT_WEIGHT	varchar	10		
	PAGE_TITLE_FONT_FAMILY	varchar	50		
	PAGE_NUMBER_FONT_COLOR	varchar	7	✓	
	PAGE_NUMBER_FONT_SIZE	int	4	✓	
	PAGE_NUMBER_FONT_WEIGHT	varchar	10		
	PAGE_NUMBER_FONT_FAMILY	varchar	50		
	QUESTION_TEXT_FONT_COLOR	varchar	7	✓	
	QUESTION_TEXT_FONT_SIZE	int	4	✓	
	QUESTION_TEXT_FONT_WEIGHT	varchar	10		
	QUESTION_TEXT_FONT_FAMILY	varchar	50		
	QUESTION_SUBTEXT_FONT_COLOR	varchar	7	✓	
	QUESTION_SUBTEXT_FONT_SIZE	int	4	✓	
	QUESTION_SUBTEXT_FONT_WEIGHT	varchar	10		
	QUESTION_SUBTEXT_FONT_FAMILY	varchar	50		
	NAVIGATION_LINK_FONT_COLOR	varchar	7	✓	
	NAVIGATION_LINK_FONT_SIZE	int	4	✓	
	NAVIGATION_LINK_FONT_WEIGHT	varchar	10		
	NAVIGATION_LINK_FONT_FAMILY	varchar	50		
	HTML_TOP	text	16	✓	
	HTML_BOTTOM	text	16	✓	
	NAVIGATION_BACK_BUTTON_PATH	varchar	255	✓	
	NAVIGATION_BACK_LINK_TEXT	varchar	25	✓	
	NAVIGATION_NEXT_BUTTON_PATH	varchar	255	✓	
	NAVIGATION_NEXT_LINK_TEXT	varchar	25	✓	
	NAVIGATION_CANCEL_BUTTON_PATH	varchar	255	✓	
	NAVIGATION_CANCEL_LINK_TEXT	varchar	25	✓	
	NAVIGATION_DONE_BUTTON_PATH	varchar	255	✓	
	NAVIGATION_DONE_LINK_TEXT	varchar	25	✓	

TEMPLATE_ID – Numeric primary key for this table.

ACTIVE_YN – A flag indicating whether or not this template is active.

TEMPLATE_NAME – The name of the template.

USER_ID – Foreign key to the SUR_USER table, representing the user who owns this template.

ALLOW_USE_YN – A flag indicating whether or not users other than the owner can use this template.

LOGO_PATH – The path to the logo used by this template.

LOGO_ALIGNMENT – The alignment of the logo on the page.

SURVEY_ALIGNMENT – The alignment of the survey within the web browser.

DISPLAY_BORDER_YN – A flag indicating whether or not a border should be displayed around the survey.

BORDER_COLOR – The color of the border, if one is displayed.

BORDER_WIDTH – The width of the border, if one is displayed.

SURVEY_BACKGROUND_COLOR – The background color of the survey itself.

PAGE_BACKGROUND_COLOR – The background color of the page the survey is on.

MATRIX_HEADER_COLOR – The background color of the matrix header.

MATRIX_FIRST_COLOR – The background color of alternating rows in the matrix, starting with the first row.

MATRIX_SECOND_COLOR – The background color of alternating rows in the matrix, starting with the second row.

PROGRESS_FIRST_COLOR – The background color of the progress bar.

PROGRESS_SECOND_COLOR – The color used within the progress bar to display the amount of progress.

SURVEY_NAME_FONT_COLOR – The font color for the survey name.

SURVEY_NAME_FONT_SIZE – The font size for the survey name.

SURVEY_NAME_FONT_WEIGHT – The font weight for the survey name.

SURVEY_NAME_FONT_FAMILY – The font family for the survey name.

PAGE_TITLE_FONT_COLOR – The font color for the page title.

PAGE_TITLE_FONT_SIZE – The font size for the page title.

PAGE_TITLE_FONT_WEIGHT – The font weight for the page title.

PAGE_TITLE_FONT_FAMILY – The font family for the page title.

PAGE_NUMBER_FONT_COLOR – The font color for the page number.

PAGE_NUMBER_FONT_SIZE – The font size for the page number.

PAGE_NUMBER_FONT_WEIGHT – The font weight for the page number.

PAGE_NUMBER_FONT_FAMILY – The font family for the page number.

QUESTION_TEXT_FONT_COLOR – The font color for the question text.

QUESTION_TEXT_FONT_SIZE – The font size for the question text.

QUESTION_TEXT_FONT_WEIGHT – The font weight for the question text.

QUESTION_TEXT_FONT_FAMILY – The font family for the question text.

QUESTION_SUBTEXT_FONT_COLOR – The font color for the question subtext.

QUESTION_SUBTEXT_FONT_SIZE – The font size for the question subtext.

QUESTION_SUBTEXT_FONT_WEIGHT – The font weight for the question subtext.

QUESTION_SUBTEXT_FONT_FAMILY – The font family for the question subtext.

NAVIGATION_LINK_FONT_COLOR – The font color for the navigation links.

NAVIGATION_LINK_FONT_SIZE – The font size for the navigation links.

NAVIGATION_LINK_FONT_WEIGHT – The font weight for the navigation links.

NAVIGATION_LINK_FONT_FAMILY – The font family for the navigation links.

HTML_TOP – The HTML to display above the survey.

HTML_BOTTOM – The HTML to display below the survey.

NAVIGATION_BACK_BUTTON_PATH – The relative path to the Back button.

NAVIGATION_BACK_LINK_TEXT – The text to use as a link for the Back button.

NAVIGATION_NEXT_BUTTON_PATH – The relative path to the Next button.

NAVIGATION_NEXT_LINK_TEXT – The text to use as a link for the Next button.
NAVIGATION_CANCEL_BUTTON_PATH – The relative path to the Cancel button.
NAVIGATION_CANCEL_LINK_TEXT – The text to use as a link for the Cancel button.
NAVIGATION_DONE_BUTTON_PATH – The relative path to the Done button.
NAVIGATION_DONE_LINK_TEXT – The text to use as a link for the Done button.

SUR_USER

This table contains all user information.

SUR_USER				
	Column Name	Data Type	Length	Allow Nulls
?	USER_ID	int	4	
	USERNAME	varchar	50	
	REGISTER_DATE	datetime	8	✓
	USER_PASSWORD	varchar	50	
	PASSWORD_HINT	varchar	100	✓
	FIRST_NAME	varchar	25	
	LAST_NAME	varchar	25	
	EMAIL_ADDRESS	varchar	100	
	CURRENT_POSITION	varchar	50	✓
	COMPANY	varchar	100	✓
	LOCATION	varchar	75	✓
	CUSTOM_DATA_1	varchar	100	✓
	CUSTOM_DATA_2	varchar	100	✓
	CUSTOM_DATA_3	varchar	100	✓
	ACTIVE_YN	char	1	

USER_ID – Numeric primary key for this table.
USERNAME – The username for this user.
REGISTER_DATE – The date this user registered.
USER_PASSWORD – The user's password.
PASSWORD_HINT – A hint for the user's password.
FIRST_NAME – The first name of the user.
LAST_NAME – The last name of the user.
EMAIL_ADDRESS – The user's email address.
CURRENT_POSITION – The user's current position.
COMPANY – The user's company.
LOCATION – The user's location.
CUSTOM_DATA_1 – The first custom data field that can optionally be associated with this user.
CUSTOM_DATA_2 – The second custom data field that can optionally be associated with this user.
CUSTOM_DATA_3 – The third custom data field that can optionally be associated with this user.
ACTIVE_YN – A flag indicating whether or not this user is active.

SUR_USER_TO_ROLE_MAPPING

This table maps users to roles.

SUR_USER_TO_ROLE_MAPPING				
	Column Name	Data Type	Length	Allow Nulls
🔑	USER_ID	int	4	
🔑	ROLE_ID	int	4	

USER_ID – Foreign key to the SUR_USER table, and part of the compound primary key for this table.

ROLE_ID – Foreign key to the SUR_ROLE table, and part of the compound primary key for this table.